SHCHEDRINA, Z.G.

Foraminifer fauna (Foraminifera) of sea waters in the region of southern Sakhalin and the southern Kurile Islands. Issl. dal'nevest. Issl. dal'nevest. mor. SSSR no.5:5-41 '58. (MIRA 12:3) (Sakhalin--Foraminifera) (Kurile Islands--Foraminifera)

SHCHEDRINA, Z.G.

Fossil foraminifers in bottom deposits of the Kara Sea.
Sbor.st.po paleont.i biostrat. no.ll:66-71 '58.
(MIRA 13:1)

1. Zoologicheskiy institut Akademii nauk SSSR.
(Kara Sen--Foraminifera, Fossil)

SHCHEDRINA, Z.G.

Foraminifera of the Kurile-Kamchatka Trench. Trudy Inst. okean. 27:
161-179 '58. (MIRA 11:4)

1. Zoologicheskiy institut AN SSSR.
(Okhotsk, Sea of—Foraminifera)

"Foraminifers as an Indicator of Exclusival Societions and Climatic Changes in the Arctic Basin", regard to be submitted for the Intl. Obeanographic Cong. New York City. 31 Aug - 11 Sep 1959.

(Institute of Ecology, Arademy of Sciences)

Vand. Containing to

LINDBERG, G.U.; SHCHEDRINA, Z.G.; DOGEL', V.A.; RESHETNYAK, V.V.; STRELKOV, A.A.; KOLTUN, V.M.; NAUHOV, D.V.; IVANOV, A.V.; BYKHOVSKIY, B.Ye. ZHUKOV, Ye.V.; PERGAMENT, T.S.; KOROTKEVICH, V.S.; USHAKOV, P.V.; KLYUGE, G.A.; ANDROSOVA, Ye.I.; GOSTILOVSKAYA, M.G.; BRODSKIY, K.A.; GUSEV, A.V.; TARASOV, N.I.; GUR'YANOVA, Ye.F.; VAGIN, V.L.; LOMAKINA, N.B.; BULYCHEVA, A.I.; KOBYAKOVA, Z.I.; LOZIND-LOZINSKIY, L.K.; YAKOVLEVA, A.M.; GALKIN, Yu.I.; SKARLATO, O.A.; AKIMUSHKIN, I.I.; D'YAKONOV, A.M.; BARANOVA, Z.I.; SAVEL'YEVA, T.S.; SKALKIN, V.A.

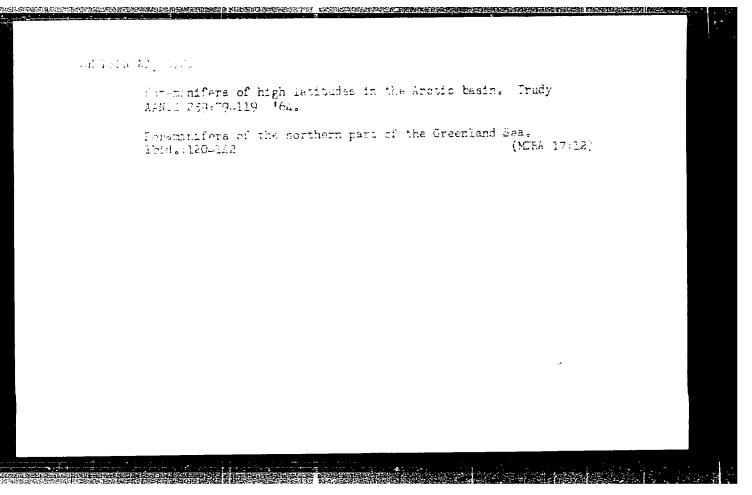
List of the fauna of marine waters of southern Sakhalin and southern Kuriles. Issl.dal'nevost.mor.SSSR no.6:173-256 '59. (MIRA 13:3)

1. Zoologicheskiy institut AN SSSR.
(Sakhalin--Marine fauna)
(Kurile Islands---Marine fauna)

SHCHEDRINA, Z.G.

Foraminifera in the bays of the White Sea. Trudy Belomor.biol. sta.MGU 1:51-69 '62. (MIRA 16:1)

1. Zoologicheskiy institut Akademii nauk SSSR. (White Sea-Foraminifera)

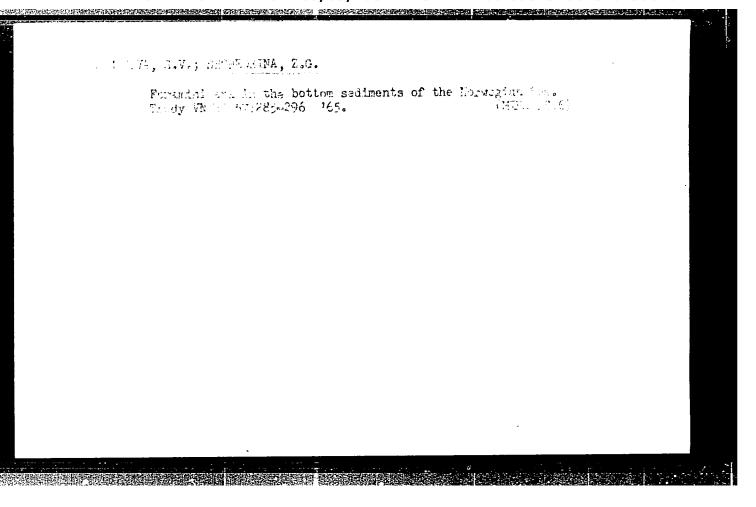


SHEHEDRINA, Z.G.

Some changes in the system of the order Rotaliida (Foraminifera).

Yop. mikropalcont. no.8:91-101 '64. (MIRA 18:5)

1. Zoologicheskiy institut AN SSSR.



CHCHEDRINGITAYA, Ye. M.; FRID, M. A.; SIBITSKER, D. Ye.; RUBINSHTEIN, I. S.

"Cases of Colibacillosis in Newborn Children," Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii, No 1, 1953.

Belorussian Institute of Epidemiology and Microbiology

SHCHEPILOV, N.S.; SHCHEDRINSKAYA, Z.M.

Effect of designs of pipe-press cores on the quality of molded products. Trudy KhPI 31 no.1:91-95 '59. (MIRA 13:10)

(Pipe, Clay)

ACCESSION NR: AR4015647

\$/0081/63/000/022/0440/0440

SOURCE: RZh. Khimiya, Abs. 22N87

AUTHOR: Atroshchenko, V. I.; Shchedrinskaya, Z. M.

TITLE: Catalysts for the heterogeneous oxidation of natural gas to formaldehyde.

and methanol

CITED SOURCE: Tr. Khar'kovsk. politekhn. in-ta, v. 39, 1962, 19-24

TOPIC TAGS: catalysis, oxidation, oxidation catalyst, natural gas, natural gas oxidation, heterogeneous oxidation, formaldehyde, methanol, metal oxide catalyst

TRANSLATION: As catalysts for the partial oxidation of natural gas (93% CH₄, 2% O₂), the authors investigated the metal oxides 2nO, CuO, Al₂O₃, Fe₂O₂, MnO₂, MoO₃, Cr₂O₃, V₂O₅, BaO, Ag₂O, ThO₂, U₂O₅ and Al₂PO₄, glass wool, asbestos and pumice (also used as carriers), as well as Cu-Ni and Cu tubing. The catalysts were prepared from the carbonate or ammonium salts by precipitation, filtration, and baking at 600-700C, followed by briquetting, and by the application of nitrate solutions to heated pumice, drying at 110C, and baking for 3 hrs at 750C. The carrier, 3% by weight MoO₃, was prepared as follows: the carrier was treated

Card 1/2

ACCESSION NR: AR4015647

with a solution of (NH₄)₂MoO₄, boiled for 45 min., and 12 hrs later the samples were dried for 2 hrs at 110C and baked for 3 hrs at 750C (for glass wool, at 450C). The authors then studied single, double, and triple catalysts and the effect of the carrier. Determinations of catalytic activity were made at various temperatures (375-500C), volume speeds (15,000-50,000 hr-1), and amounts of catalyst (0.5-50% metal). For each catalyst there is an optimal volume speed and temperature at which a high yield of CH₂O and CH₃OH is obtained. The optimal content of metal applied on pumice is 2-10%. In the presence of metals on carriers, the overall yield of useful products (from the participation of CH₄ in the reaction increases considerably and a selective catalytic action is observed. The most active catalysts are MoO₃, ThO₂, Cr₂O₃, Ag₂O, and a mixture of Ag₂O. • Cr₂O₃ on pumice and without it. Triple catalysts are less active than double or single. A high yield of CH₃OH, up to 32.6%, is obtained on Cr₂O₃ and Cu₂O; up to 25% on MoO₃ and Ag₂O. The best carrier is pumice. An outline and description of the process of contact oxidation of natural gas are presented. L.R.

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a Decome, 1.4.; Chokkobkicherta, M.M.; Cavera, N.A.; continual mean office of the service. M.C.; Abbubayeva, C.A.; Thokkoba, J.C.; and J. A. .

(and, six the oxidation processes of material gar to form form delayed and methanol. Zhur.prikl.khim. 38 no. 362.3- (19 de 465. (CDR: pro.))

1. Cubmitted Febr. 27, 1963.

PIROGOV, A.A.; LEVE, Ye.N.; KRASS, Ya.E.; BELIGHENKO, G.I.; KOTIK, P.L.; D.HORENKO, Yu.P.; MIL'BERG, Ye.S.; I-RYAPIK, Ye.P.; VAYNTPAUR, B.S.; MIDKOV, V.A.; CHCHLDRINGKIY, L.I.; MOREV, G.P.

Prefabricated blocks of unfired magnesite-chromite brick.
Metallurg 9 no.4:23-24 Ap '64. (MIRA 17:9)

1. Ukrainskiy institut ogneuporov, Nikitovskiy dolomitovyy kombinat i Kommunarskiy metallargicheskiy zavod.

ZIZEMSKIY, Yefim Il'ich; SOLOV'YEV, V.N., kand. tekhn. nauk, retsenzent; SHCHEDRINSKIY, L.S., inzh., retsenzent; MALIKOV, I.M., kand.tekhn. nauh, nauchn. red.; LESKOVA. L.R., red.; CHISTYAKOVA, R.K., tekhn.red.

[Reliability of radio and electronic apparatus] Nadezhnost' radioelektronnoi apparatury. Leningrad, Sudpromgiz,
1963. 101 p. (MIRA 16:7)
(Electronic industries--Quality control)

SHCHEDRINSKIY, Mikhail Borisovich; VOLEGOV, Aleksandr Vyacheslavovich;

NYULIER, Eduard Karlovich. Frinimali uchastiye: OGNEV, A.S.,
inzh.; BELOV, M.A., inzh.; USTINOV, D.V., inzh., retsenzent;
GORSHKOLEPOV, N.A., otv. red.; ROMANOVA, L.A., red.izd-va;
SABITOV, A., tekhn. red.; IL'INSKAYA, G.M., tekhn. red.

[Asbestos concentration] Obogashchenie asbestovykh rud. Mosskva, Gosgortekhizdat, 1962. 233 p. (MIRA 15:7) (Asbestos)

CIA-RDP86-00513R001548730010-2 "APPROVED FOR RELEASE: 08/09/2001

SHCHEDRINSKIY, M.B.; SIDENKO, I.P. Determining and calculating technological indices in

chrysotile-asbestos ore dressing. Mauch. trudy VNIIasbest no.3:3-40 162. (MIRA 16:11)

MOROZOV, Nikolay Aleksandrovich, kand. tekhn. nauk; MICHEDRO, David Abramovich, inzh.; MEDVEDEVA, Ye.T., red.

[Manufacture of one-piece compressed furniture with simultaneous finishing] Izgotovlenie tsel'nopressovannoi mebeli s odnovremennoi otdelkei. Moskva, Lesnaia promyshlennost', 1965. 158 p. (MIRA 18:8)

Acceptation of front tree parts for a ground wood livestoverie maked topin databat in lame Volenned ordersing. Neckwa, Thento, nauth. -tara. In-t informated it akhika-ekon. istated water belond, tall the monocamental, derevaluated by a londering proposit. I semena anom. For a proposit 1. Itematical representations of proposit. Itematical for the proposition of the matter forms is second.

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ROZHDESTVENSKIY, D.A., kandidat tekhnicheskikh nauk; RAZGON, L.V., inzhener; SHCHEDRO, V.P.

Inrrevenent of catalytic sulitting of fats at the "Novyy Mylovar" Flant. Masl.zhir.prom. 17 no.1.12-15 Ja '52. (NERA 10.9)

i. institut narodnogo khozyaystva im. Plekhanova (for Rozhdestvennskiy). 2. Zaved "Novyy Mylovar" (for Razgon, Shehedro).

(011s and fats)
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GERNOIMUS, B.; SHCHEDRODAROVA, Yu.; BABAYEVA, Z.

Using the mathematical method in planning freight haulage, Avt.
transp. 39 no.1:45-47 Ja '61. (MIRA 14:3)

l. Nauchno-issiedovately skiy institut avtomobil nogo transporta. (Transportation, Automotive-Freight)

Grinding and adjustment of tools. Politekh. obuch. no.8:88-89 Ag '59. (MIRA 12:10) 1.Srednyaya. shkola No.22, Kherson. (Tools)		Spirit (1984). Bellevi (1984). A spirit spirit spirit spirit (1984). Spirit spirit (1984). Spirit spirit (1984)			1
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SHCHEDROLOSEV, V.V.

First class on manual training in grade five. Politekh.
obuch. no.9:32-33 S '59. (MIRA 12:12)

1. Srednyaya shkola No.22 g.Khersona.
(Kherson--Manual training)

SHCHEDROV, Ivan Mikhaylovich; LIPETS, Yu.G., red.; FOFOVA, V.I., mladshiy red.; GOLITSYN, A.V., red.kart; BURLAKA, N.P., tekhm.red.

[Hanoi] Khanoi. Moskva, Gos.izd.vo geogr.lit-ry, 1961. 76 p.
(Hanoi—Description)

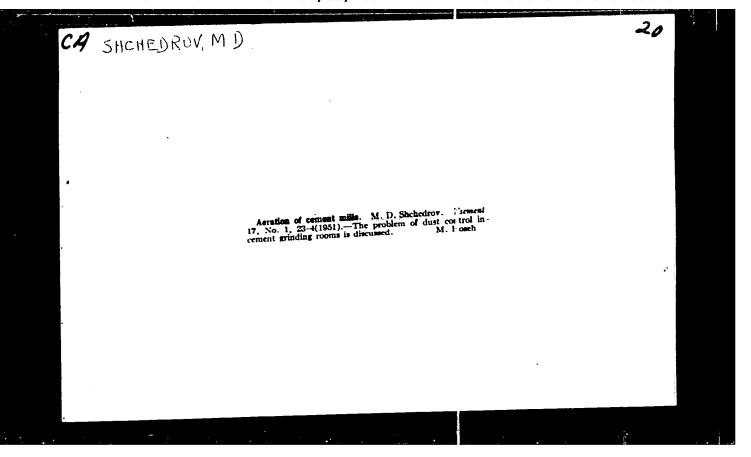
i 5lh78-65 EFF(t)/EPR/EPA(s)-2/EWG(v)/EPA(w)-2/EWA(h)/EWP(j)/EWP(z)/EWF(m)/EWP(1)/EFF(c)/EPF(n)-2/EPA(bb)-2/EWP(b)/T/EWA(d)/EWA(1)/EWP(e) Pc-h/Pe-5/Pr-h/Ps-h/Pt-7/Pab-10/Peb IJP(c) RM/WH/WW/JD/JG/WB BOOK EXPLOITATION 669.14.018.45(083) Shchedrov, K. P.; Gakman, E. L. Heat-resistant materials; a handbook (Zharostoykiye materialy; spravochnoye posobiye) Moscow, Izd-vo "Mashinostroyeniye," 1965. 166 p. illus., biblio., tables. 7800 copies printed. TOPIC TAGS: oxidation, oxidation resistant material, heat resistant material, metal oxidation, nonmetallic material oxidation, metallic coating, nonmetallic coating (A) PURPOSE AND COVERAGE: This book is intended for engineering personnel dealing with problems connected with tests and use of oxidation-resistant materials. It may also be useful to workers in plants and laboratories. Data on the physical, chemical, and technological properties of steels, special alloys, and cast irons are systematized and presented. Characteristics and properties of nonmetallic materials such as cermets and plastics are reviewed along with methods of their fabrication. The book also contains a formation on oxidation—and heat-resistant coatings. Cord 1/4		# :
Shchedrov, K. P.; Gakman, E. L. Heat-resistant materials, a handbook (Zharostoykiye materialy; spravochnoye posobiye) Moscow, Izd-vo "Mashinostroyeniye," 1965. 166 p. illus., biblio., tables. 7800 copies printed. TOPIC TAGS: oxidation, oxidation resistant material, heat resistant material, metal oxidation, nonmetallic material oxidation, metallic coating, nonmetallic coating of purpose and coverage: This book is intended for engineering personnel dealing with problems connected with tests and use of oxidation-resistant materials. It may also be useful to workers in plants and laboratories. Data on the physical, chemical, and technological properties of steels, special alloys, and cast irons are systematized and presented. Characteristics and properties of nonmetallic materials such as cermets and plastics are reviewed along with methods of their fabrication. The book also contains information on oxidation—and heat-resistant coatings.	1 51478-65 EXP(£)/EPR/EPA(s)-2/EWG(v)/EPA(w)-2/EWA(h)/EWP(j)/EWP(z)/EWT(m)/EWP(i)/ EVER/C)/EPE(n)-2/EPA(bb)-2/EWP(b)/T/EWA(d)/EWA(l)/EWP(e) PC-4/Pe-5/Pr-4/Ps-4/Pt-7/	- 1
Heat-resistant materials; a handbook (Zharostoykiye materialy; sprayochnoye posobiye) Moscow, Izd-vo "Mashinostroyeniye," 1965. 166 p. illus., biblio., tables. 7800 copies printed. TOPIC TAGS: oxidation, oxidation resistant material, heat resistant material, metal oxidation, nonmetallic material oxidation, metallic coating, nonmetallic coating, nonmetallic coating of the problems connected with tests and use of oxidation-resistant materials. It may also be useful to workers in plants and laboratories. Data on the physical, chemical, and technological properties of steels, special alloys, and cast from are systematized and presented. Characteristics and properties of nonmetallic materials such as cermets and plastics are reviewed along with methods of their fabrication. The book also contains and formation on oxidation—and heat-resistant coatings.	Pab-10/Peb IJP(c) RM/WH/WW/JD/JG/WB AM5015766 BOOK EXPLOITATION 669.14.018.45(083)	
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Lengthening the life span of drive shafts. TSement 17 no.6:21-22 N-D '56. (MURA 9:8) 1. Tsementnyy zavod "Komsomolets". (Shafts and shafting)

BYLOV, V.D.; ZNAMENSKIY, Yu.D.; KAPITONOVA, L.P.; SHCHEDROV, M.S.

Sulfuric acid method of recovering nitrogen exides from incompletely exidized gases. Zhur.prikl.khim. 35 no.7:1503-1505 Jl '62.

(Nitrogen exide)

(Nitrogen exide)

SHCHEDROV, N.		1881107	
	Periodical Abstra	ε ι .	
	USSR Radio - Receivers Mar 51		
ı	"A 1-V-D Receiver Using Low-Plate Voltage (Design Section, Ehitomir Radio Club)," N. Shchedrov		
	"Radio" No 3, p 29	:	
	The low-plate-voltage 0-V-1 receiver described in "Radio" No 3, 1950 (using a 6K) or an 30-257) is not economical or sensitive. The receiver described here uses 2 SB-2h2's, connected as triodes, and has long- and medium-wave bands. The plate voltage (4.5 v) is obtained from flashlight batteries.		
	1897107		

L 00079-66 EMT(d)/WED-3/EWP(l) LIP(e) BB/13 ACCESSION NR: AR5013617 UR/0271/55/000/004/8032/8033 681.142.542.7

SOURCE: Ref. zh. Avtomatika, telemekhanika i vychislite. naya tekhnika. Svodnyy tom,

Abs. 4B242

AUTHOR: Shchedrov, N. I.

TITLE: Magnetic-memory counting trigger

CITED SOURCE: Sb. Ustroystva i elementy prom. telemekhin. Kiyev, 1964, 73-76

TOPIC TAGS: trigger circuit

TRANISATION: It is noted that in the remote-control equipment the potential memory must be preserved in case of a power interruption. A register is used for this purpose in which magnetic elements fix its position. A trigger circuit of the register is presented. Figs. 2.

SUB CODE: DP

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Card 1/1

L 8608-66 EWT(d)/EWP(1) IJP(c) BB/GG

ACC NR: AR5014366 SOURCE CODE: UR/0271/65/000/005/B061/B061

SOURCE: Ref. zh. Avtomatika, telemekhanika i vychinlitel'naya tekhnika.

Svodnyy tom, Abs. 5B441

AUTHOR: Shchedrov, N. I. Ponomarev, A. I.

TITLE: Angle-to-code converter 160,44

CITED SOURCE: Sb. Ustroystva i elementy prom. telemekhan. Kiyev, 1964,

109-114

TOPIC TAGS: angle to code converter, analog digital converter

TRANSLATION: The shortcomings of existing angle-to-code converter types are noted; the new converter (shaft digitalizer) has no such shortcomings. The new 6-digit sensor is housed in a diamagnetic cylinder. At this cylinder bottom and on its top, three heads are staggered at an angle of 120° to each other. The rotor

Card 1/2

UDC: 681.142.621

L 62255-65 ENT(d)/EED-2/EWP(1) IJP(c) GG/BB

ACCESSION NR: AP5016090 UR/0302/65/000/002/0039/0041

621.314,283

AUTHOR: Luchenitser, I. A.; Fridshtand, D. A.; She hedrov, N. I.

TITLE: Transistorized analog-to-digital converter 160,44

SOURCE: Avtomatika i priborostroyeniye, no. 2, 1965, 39-41

TOPIC TAGS: analog to digital converter

ABSTRACT: The development of a new analog-to-digital converter is reported. The measurand (voltage) is converted into a time interval by a transistor sawtooth generator and a balance detector. The fixed-frequency pulses are applied to a scaler which yields code digits. These technical characteristics are reported; input voltage, 0-2.5 v! time of conversion of one parameter, 10 msec; pulsegenerator frequency, 100 kc; conversion sensitivity, 2.5 mv; discrete error, \$\pm\$0.05%; fundamental conversion error at 20 \pm\$3G is \$\pm\$0.5%; additional error per 10C is \$\pm\$0.3%; input resistance, 1 Mohm. The converter is intended for "on-demand" telemetering systems and similar applications. Orig. art. has: 2 figures and 1 table.

Card 1/2

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L 62255-65			
ACCESSION NR: AP5016090 ASSOCIATION: none	¥.		
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22133-65 EEC-4/EEC(k)-2/EWA(h)/EWT(d)/EWT(1) Pg-4/Pk-4/F1 4/F0-4/Pq-4/Peb ASDA-5 WE CCESSION NR: AP5001743 S/0302/64, 000/004/0045/0047 AUTHOR: Luchenitser, I. A.; Mochalova, V. S.; Svyatskay, N. V.; Fridshtand, D. A.; Shchedrov, N. I. TITLE: Digital-indicator-type measuring instrument operating on demand SOURCE: Avtomatika i priborostroyeniye, no. 4, 1964, 45-47 TOPIC TAGS: measuring instrument, digital measuring instrument 10 ABSTRACT: The blueprint of a 12-parameter (selected out of 600) measuring instrument is described. The instrument comprises two principal parts: (a) a switch panel with pushbuttons, relays, and a supply unit and b) a digital instrument panel with digital converters and indicators. Three pulse generators with 100, 80, and 60 kc are provided. These characteristics are expected: time of digital conversion of one parameter, 10 msec; time of ser ing 12 channels, 2 sec; maximum error, 1.1%. A "laboratory hookup for two channels was stable cord 1/2		-				# ************************************
AUTHOR: Luchenitser, I. A.; Mochalova, V. S.; Svyatskay, N. V.; Fridshtand, D. A.; Shchedrov, N. I. TITLE: Digital-indicator-type measuring instrument operating on demand SOURCE: Avtomatika i priborostroyeniye, no. 4, 1964, 45-47 TOPIC TAGS: measuring instrument, digital measuring instrument 0 ABSTRACT: The blueprint of a 12-parameter (selected out of 600) measuring instrument is described. The instrument comprises two principal parts: (a) a switch panel with pushbuttons, relays, and a supply unit and b) a digital instrument panel with digital converters and indicators. Three pulse generators with 100, 80, and 60 kc are provided. These characteristics are expected: time of digital conversion of one parameter, 10 msec; time of serving 12 channels, 2 sec; maximum error, 1.1%. A "laboratory hookup for two channels was stable	The state of the s	EEG-4/EEC(k)-2/EWA(h)/E	WT(d)/EWT(1) Pg-l	//Pk-4/ P 1-4/Po-4/Pq-	L/Peb ASDA-5	
Fridshtand, D. A.; Shchedrov, N. I. TITLE: Digital-indicator-type measuring instrument operating on demand SOURCE: Avtomatika i priborostroyeniye, no. 4, 1964, 45-47 TOPIC TAGS: measuring instrument, digital measuring instrument 0 ABSTRACT: The blueprint of a 12-parameter (selected out of 600) measuring instrument is described. The instrument comprises two principal parts: (a) a switch panel with pushbuttons, relays, and a supply unit and b) a digital instrument panel with digital converters and indicators. Three pulse generators with 100, 80, and 60 kc are provided. These characteristics are expected: time of digital conversion of one parameter, 10 msec; time of ser ting 12 channels, 2 sec; maximum error, 1.1%. A "laboratory hookup for two channels was stable	CCESSION NR:	AP5001743		s/0302/6h, 000/00h/00	45/0047:	
SOURCE: Avtomatika i priborostroyeniye, no. 4, 1964, 45-47 TOPIC TAGS: measuring instrument, digital measuring instrument 0 ABSTRACT: The blueprint of a 12-parameter (selected out of 600) measuring instrument is described. The instrument comprises two principal parts: (a) a switch panel with pushbuttons, relays, and a supply unit and (b) a digital instrument panel with digital converters and indicators. Three pulse generators with 100, 80, and 60 kc are provided. These characteristics are expected: time of digital conversion of one parameter, 10 msec; time of serving 12 channels, 2 sec; maximum error, 1.1%. A "laboratory hookup for two channels was stable				vyatskay i, N. V.;	77 7. 77 7.	
TOPIC TAGS: measuring instrument, digital measuring instrument 0 ABSTRACT: The blueprint of a 12-parameter (selected out o 600) measuring instrument is described. The instrument comprises two principal parts: (a) a switch panel with pushbuttons, relays, and a supply unit and b) a digital instrument panel with digital converters and indicators. Three pulse generators with 100, 80, and 60 kc are provided. These characteristics are expected: time of digital conversion of one parameter, 10 msec; time of serving 12 channels, 2 sec; maximum error, 1.1%. A "laboratory hookup for two channels was stable	TITLE: Di	gital-indicator-type me	asuring instrumen	t operation on dema	ınd	
ABSTRACT: The blueprint of a 12-parameter (selected out o 600) measuring instrument is described. The instrument comprises two principal parts: (a) a switch panel with pushbuttons, relays, and a supply unit and b) a digital instrument panel with digital converters and indicators. Three pulse generators with 100, 80, and 60 kc are provided. These characteristics are expected: time of digital conversion of one parameter, 10 msec; time of sering 12 channels, 2 sec; maximum error, 1.1%. A "laboratory hookup for two channels was stable	SOURCE: A	lvtomatika i priborostz	oyeniye, no. 4, 1	64, 45-47		
instrument is described. The instrument comprises two principal parts: (a) a switch panel with pushbuttons, relays, and a supply unit and b) a digital instrument panel with digital converters and indicators. Three pulse generators with 100, 80, and 60 kc are provided. These characteristics are expected: time of digital conversion of one parameter, 10 msec; time of serving 12 channels, 2 sec; maximum error, 1.1%. A "laboratory hookup for two channels was stable	TOPIC TAG	S: measuring instrum	ent, <u>digital meas</u> u	ring inst: ument [0		
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ACCESSION NR: AP5014006

UR/0119/65/000/005/0027/0028 621.3.042.15:621.314

AUTHOR: Butayev, G. M. (Candidate of technical sciences); Shon drov, N. I. (Engineer

TITLE: Angle-to-code contactless converter with ferrite sensing elements

SOURCE: Priborostroyeniye, no. 5, 1965, 27-28

TOPIC TAGS: angle to code converter, contactless converter

ABSTRACT: The development is reported of a new angle-to-Gray-code converter in which the on-off switching is effected by copper-foil segments passing through the gap of a very sensitive ferrite core. The sensing element comprises a transistor and a 3-winding ferrite-core transformer connected to form a nonsinusoidal-wave oscillator. Insertion and withdrawal of the copper segment result in starting and stopping the oscillations, with the oscillator functioning as a low-resistance switch. One sensing element is required for every digit of the converter. A wire-saving time-sequence 50-cps-supplied circuit is envisaged for transmitting many-digit signals to a receiver. An experimental model of the converter was

Card 1/2

ACC NR. AP6036062 (A, N) SOURCE CODE: UR/0/132/66/000/005/0033/0034

AUTHOR: Luchenitser, I. A.; Shchedrov, N. I.

ORG: none

TITLE: Contactless device with an automatic time delay for reading out measurements

SOURCE: Mekhanizatsiya i avtomatizatsiya upravleniya, no. 5, 1966, 33-34

TOPIC TAGS: data read out, transistorized circuit, switching circuit

ABSTRACT: A contactless switching device is described which can be used in a centralized control system for connecting any one of a large number of sensors to a measurement device by a simple depression of a button. The device operates in the following manner: In the initial state a metallic plate made of diamagnetic material is in the gap of a ferrite core with square loop characteristics. As a result of this, a transistor generator is prevented from oscillating. As the button is depressed the diamagnetic plate leaves the gap and oscillations are established. The 65 kc oscillation after filtering and detection, clear a series of flip-flops into the zero position. As the button is released an elastic dielectric plate forces the diamagnetic plate back into the gap and oscillations of the generator cease, which causes the flip-flop circuit to switch. Thus, the automatic time delay is produced by the natural interval of time be-

UDC: 621.398.92

Card 1/2

ACC NR: AT7004476

SOURCE CODE: UR/3245/66/000/002/0077/0082

AUTHOR: Shchedrov, N. I.

ORG: Kiev Institute of Automation (Kiyevskiy institut avtomatiki)

TITLE: A null unit of a digital converter using silicon transistors (a voltage-time converter)

SOURCE: Kharkov. Institut gornogo mashinostroyeniya, avtomatiki i vychislitel'noy tekhniki. Pribory i sistemy avtomatiki, no. 2, 1966. Promyshlennaya telemekhanika (Industrial telemechanics), 77-82

TOPIC TAGS: silicon transistor, analog digital converter, temperature characteristic, time measurement, capacitor, digital system/ MPGT capacitor

ABSTRACT: A null unit using silicon transistors has been developed for a digital converter which converts a voltage to a time signal. The design has a high precision and an improved temperature stability. The voltage to be measured $(\mathbf{u}_{\mathbf{x}})$ is compared with a linearly increasing sawtooth voltage $(\mathbf{u}_{\mathbf{s}})$. The null unit (the measurement device) indicates the instant when the sign of the difference between $\mathbf{u}_{\mathbf{x}}$ and $\mathbf{u}_{\mathbf{s}}$ changes. The time measurement is thus proportional to the rise time for the sawtooth voltage $\mathbf{u}_{\mathbf{s}}$ to equal $\mathbf{u}_{\mathbf{x}}$. The sawtooth voltage is generated by an RC circuit with a voltage $\mathbf{u}_{\mathbf{s}}$ to equal $\mathbf{u}_{\mathbf{x}}$. The sawtooth voltage is generated by a stabilized 150-V voltage, and the discharge transistor. The circuit is charged by a stabilized 150-V voltage, and the $\mathbf{u}_{\mathbf{s}}$ capacitor break-down voltage is 2.9 V. The nonlinearity of $\mathbf{u}_{\mathbf{s}}$ is \pm 0.1%. The

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YUGOSLAVIA/Organic Chemistry. Synthetic Organic Chemistry.

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Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 74038.

Author: V. Hahn, Z. Stojanac, O. Shchedrov, N. Pravdich-

Sladovich, S. Tomashich, D. Emer.

Inst :

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Title : Amides of Thiopyromucic Acid. Thioamides. Report I.

Orig Pub: Croat. Chem. acta, 1957, 29, No 3-4, 319-327.

Abstract: OCH=CHCH=CCSNRR' / Ia to Ir, in which R = R' = H

(Ia); R = H, R' = CH3 (Ib); R = H, R' = C2H5 (Ic);

R = H, R' = C2H3CH (Id); R = H, R' = C2H5 (Ie);

R = H, R' = 2-CH3CH4 (If); R = H, R' = 3-CH3CH4

(Ig); R = H, R' = 4-CH3CH4 (II); R = H, R' = 2
CH3H7 (II); R = H, R' = 4-CH3CH4(IJ); R = H, R' = 2-

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Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 74038.

R' = 4-C.H.COC, H. (Ik); R = R' = C.H. (II); R = R' = H.C(CH.).CH. (Im); R = CH., R' = C.H. (In); R = C.H. (In); R = C.H. (Ip); R = C.H. (Ip); R = C.H. (Iq), and R = C.H., R' = C.H. (Ip); R = R' = C.H. (Iq), and R = C.H., R' = C.H. (Ir); and S-methyl-iso-thicanilide of thiopyromucic acid (II) were synthetized with a view to study their biological properties.

In to Iq were prepared of corresponding CCH=CHCH=CCONRR'-s (IIIa to IIIq) and P S, and Ir and II were prepared by the action of C H COCl (IV) and (CH) SO (V) on Ie. 22.0 g of CCH=CHCH=CCCCl (VI) is added to 23.2 g of phenetidine in 200 ml of 5%-ual NaCH in 20 min.; l hour later it is filtered and IIIk is obtained, yield 81%, melt. p. 130 to 131° (from dilute

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1000SLAVIA/Organic Chemistry. Synthetic Organic Chemistry.

Abs Jcur: Ref Zhyr-Khimiya, No 22, 1958, 740 8.

initial III-s, their amounts in g, boil. p. in C/mm, melt. p. in C, amounts of C H N in ml and of P₂S₅ in g, reaction duration in min., purification method, yield of I in \$\frac{1}{2}\$, its boiling point in C/mm and its melting point in C are enumerated: IIIa, 3, -, 141 to 142, 15, 5.7, 40, B, 84, 160 to 162/15, 130 to 131 (from benzene + alcohol); IIIb, 4, -, 62. to 64, 8, 7.1, 40, -, 153 to 157/18, 70 to 71 (from benzene + petroleum ether); IIIc, 17, 136 to 138/15, 34 to 34, 45, 13.6, 45, B, 84, 155 to 160/16, 148 to 150/11, - (liquid, n D = 1.6236, d = 1.1629); IIId, 5, 111, -, 15, 2.8, 45, B, 98, -, 49 to 50 (from petroleum ether); IIIe, 10, -, 123 to 124, 20, 7.2, 60, A, 86, -, 107 to 108 (from

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YUGOSLAVIA/Organic Chemistry. Synthetic Organic Chemistry.

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benzene + petroleum ester), IIIf, 2, 52, 198 to 200/9, 66 to 67 (from benzene + petroleum ether), 5, 1, 11, 40, A, 88, -, 85 to 85.5 (from benzene + petroleum ether); IIIg; 5, -, 86 to 87, 5, 22, 40, A, 67, -, 46.5 to 47 (from dilute CH,OH); IIIh, 10, -, 108 to 109, 20, 8.8, 45, A, 85, -, 88 to 89 (from benzen + petroleum ether); IIIi, 1, -, 150 to 152, 7.1, 120, A, 84, -, 129.5 to 130 (from dilute alochol); IIIj, 2.17, -, 104 to 105, 5, 0.9, 40, A, 91, -, 129 to 130 (from CH;OH); IIIk, 10, -, 129 to 130, 20, 7.2, 90, A, 94, -, 80 to 81 (from benzene + petroleum ether); IIII, 12,134 to 136/18, -; 40, B; 84, 158 to 163/15; 143; to 144/5, - (liquid,

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Abs Jour: Bet Zhur-Zhimiya, No 22, 1958, 1993.

YUGOSLAVIA/Organic Chemistry. Synthetic Organic Chemistry.

Abs Jcur: Ref Zhur-Khimiya, No 22, 1958, 74038.

NaOH, heated 30 min. at about 100°, cooled, and II is produced, yield 94%, melt. p. 41.5 to 42° (from 80%-ual alcohol).

Card : 7/7

EWI(m)/EWP(w)/EWP(f)/EWP(v)/T-2/EWP(k)/ETC(m)WH/EM ACC NR: AT6001026 SOURCE CODE: UR/2563/65/000/247/0094/0098 AUTHOR: Dvoretskiy, K. P.; Nevinskiy, V. V.; Shchedrov, V. B Leningrad Politechnic Institute (Leningradskiy politekhnicheskiy institut) ORG: TITLE: A similarity method for the design of the radial stage of a centripetal SOURCE: Leningrad. Politekhnicheskiy institut. Trudy, no. 247, 1965, Turbomashiny TOPIC TAGS: centripetal turbine, radial stage, design method, similarity method 33 w 54 ABSTRACT: The proposed similarity method for determining optimum parameters of the radial stage of a centripetal turbine is based on mathematical treatment of experimental data obtained from a series of similar model turbines. The power N, the gas flow rate G, and the efficiency η of a turbine are the functions of the following parameters: $N = \int (p_0, p_1, T_0, R, k, u_1, v, x_i);$ $G = f(\rho_0, \rho_1, T_0, R, k, u_1, v, x_l);$ $\eta = f(p_0, p_2, T_0, R, k, u_1, v, x_l),$ Card 1/4

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ACC NR: AT6001026

where p_0 and T_0 are the total pressure and gas temperature in front of the nozzle; p_2 is the static pressure behind the rotor; u_1 , the circumferential velocity; v, the kinematic viscosity; k, adiabatic expansion index; R, the gas constant; and x_1 includes a series of design parameters such as the rotor diameter D_1 , rotor blade width b, and others given in Fig. 1. Introducing dimensionless parameters, we get:

$$\overline{N} = \frac{NRT_{\bullet}}{D_1^2 u_1^3 \rho_0}; \quad \overline{G} = \frac{GRT_{\bullet}}{D_1^2 u_1 \rho_0}; \quad \operatorname{Re}_r = \frac{u_1 D_1}{v}; \quad \eta; \quad k;$$

$$\chi = \frac{u_1}{\sqrt{\frac{2k}{k-1}RT_0\left(1-\sigma^{-\frac{k-1}{k}}\right)}}; \quad \sigma = \frac{p_0}{p_2}; \quad \overline{x}_l.$$

Taking into account the effect of the nozzle angle α_1 , the relative width of the rotor blade $\tau=b/D_1$, the ratio of the rotor-exit cross section area to the rotor inlet cross section area κ , and the blade twist angle β_2 , then the following parameters have to be determined experimentally:

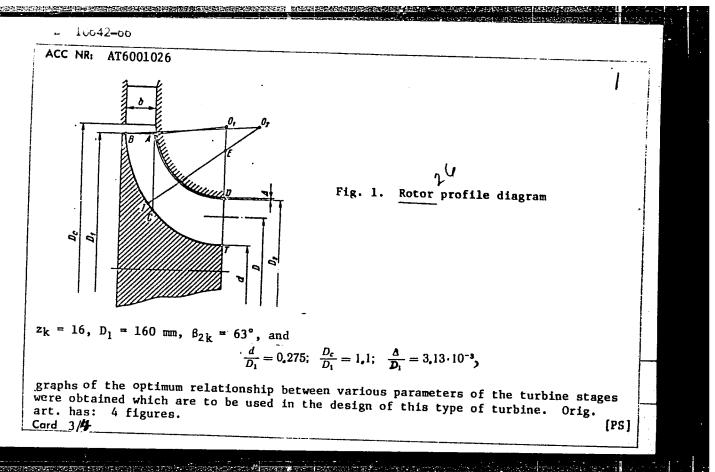
$$\eta = f(\tau, \alpha_1, \varkappa, \beta_2, \chi, \sigma);$$

$$G = f(\tau, \alpha_1, \varkappa, \beta_2, \chi, \sigma);$$

$$N = f(\tau, \alpha_1, \varkappa, \beta_2, \chi, \sigma).$$

Based on experimental studies of the performance characteristics of 27 radial centripetal turbines of the same type at various valves of τ , α_1 , and κ , and constant

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10773-66 EWP(f)/T-2/ETC(m) ACC NR: AT6001027

SOURCE CODE: UR/2563/65/000/247/0099/0102.

AUTHOR: Dvoretskiy, K. P.; Nevinskiy, V. V.; Shchedrov, V. B.44

ORG: Leningrad politechnic institute (Leningradskiy politekhnicheskiy institut)

TITLE: Energy loss in the rotor of a centripetal turbine

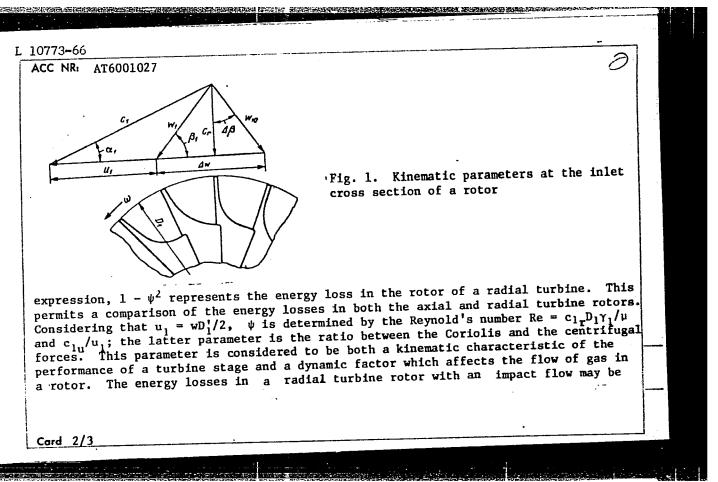
SOURCE: Leningrad. Politekhnicheskiy institut. Trudy, no. 247, 1965. Turbomashiny

TOPIC TAGS: energy loss calculation, centripetal turbine, turbine rotor, turbine

ABSTRACT: The energy loss in a turbine rotor is usually characterized by the velocity coefficient ψ obtained from the relationship $w_2 = \psi w_{2m}$, where w_2 and w_{2m} are the real and theoretical relative velocities in the exit cross section of the rotor. While in an axial-flow turbine $1 - \psi^2$ represents the energy losses in the rotor, in the case of a radial turbine, such a loss is not represented by $1-\psi^2$ if ψ is calculated by the above equation. Therefore, the following expression is suggested for determining

$$w_2 = \sqrt{\psi^2(2\Delta i_x + w_1^2) - u_1^2 + u_2^2}$$

where $\Delta i_{\mathbf{k}}$ is the enthalpy drop in the rotor and \mathbf{u}_2 is the circumferential velocity in the exit cross section. Other designations are given in Fig. 1. Calculated from this



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alculated using the maximum energy consumpt	ion coefficient by the following express $\frac{\cos a_1 - u_1 + c_1, \operatorname{tg} \Delta \beta)^2}{\Lambda_K + \frac{w_1^2}{2}},$	
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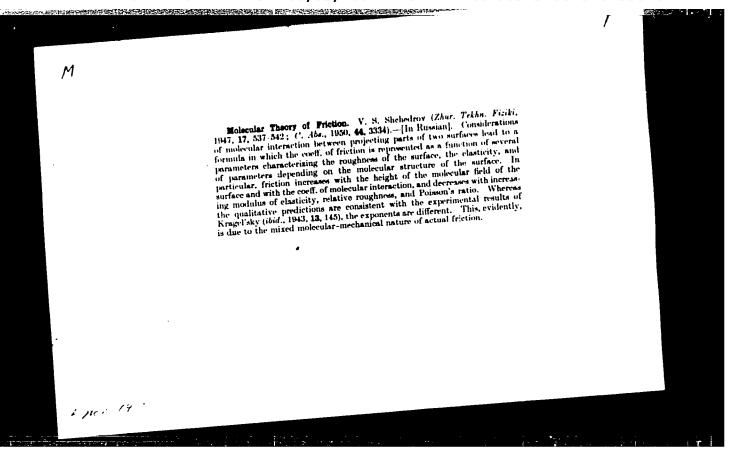
Mining geology conditions in constructing and exploiting mines of the Karaganda coal basin. Izv. vys. ucheb. zav.; gor. zhur. no.12:13-20 '61. (MIRA 16:7)

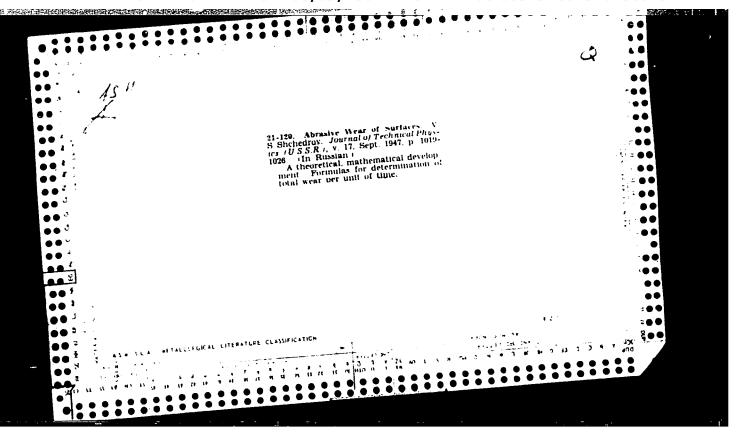
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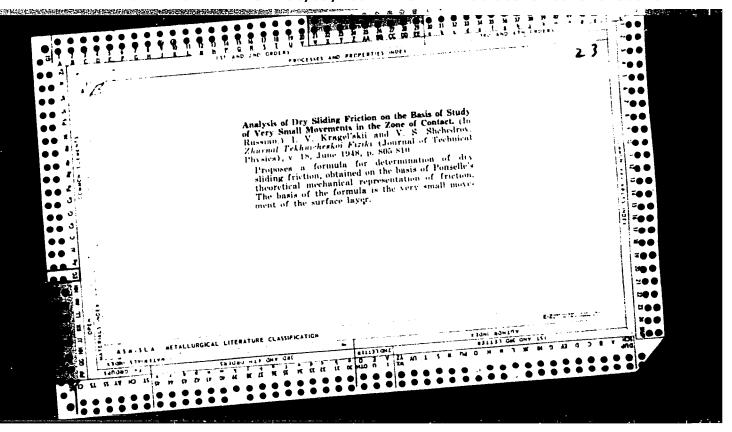
Journal of Quedencal Physics OSSR, Vol. 18, No 4, 448

Terminasov, Yu.S. (M.I. Kalinin Leningrad Polytechnic Institute), X-ray graphic study of residual tensions of orders II and III in steel fatigue, 517-23

Shchedrov, V.S., Contraction deterioration of the contact surface, 525-8

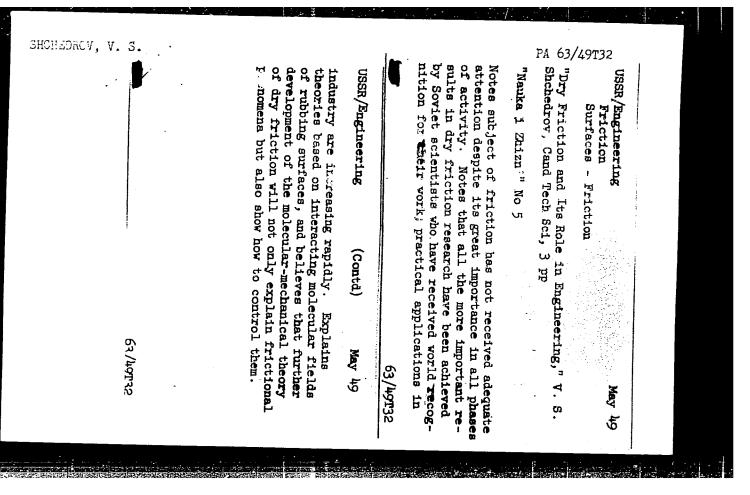
Sorokins, V.V. and Timofeev, P.V. (All-Union Institute of Electrical Engineering, Moscow), Form of the field for electrostatic lenses, 509-16
"Starting with the laws of machanics a theory is given for the electrostatic focusing of electron beams. A form of the field for the electrostatic lenses is given which permits electron image formation with the least distortion. The method of calculation and the form of new hyperbolic lenses is given."

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ACHERKAN, Naum Samuilovich, 1872-, doktor tekhnicheskikh nauk, professor, redaktor; BELYAYEV, V.N., dotsent, kandidat tekhnicheskikh nauk; BIDERMAN, V.L., kandidat tekhnicheskikh nauk; BOROVICH, L.S., kandidat tekhnicheskikh nauk; GASHINSKIY, A.G., inzhener; GORODETSKIY, N.Ye., professor, doktor tekhnicheskikh nauk; IVANOV, B.A., professor, doktor tekhnicheskikh nauk; KOLMIYTSEV, A.A., dotsent, kandidat tekhnicheskikh nauk; KRAGKL'SKIY, I.V., professor, doktor tekhnicheskikh nauk; PETRUSEVICH, A.I., doktor tekhnicheskikh nauk; POZDNYAKOV, S.N., dotsent; PONOMAREV, S.D., professor, doktor tekhnicheskikh nauk; PORTUGALOVA, A.A., kandidat tekhnicheskikh nauk; PRONIN, B.A., kandidat tekhnichaskikh nauk; RESHETOV, D.N., professor, doktor tekhnicheskikh nauk; RESHETOV, L.N., professor, doktor tekhnicheskikh nauk; SAVERIN, M.A., professor, doktor tekhnicheskikh nauk; SAVERIN, N.A., kandidat tekhnicheskikh nauk; SLOBODKIN, M.S., inzhener; SPITSYN, N.A., professor, doktor tekhnicheskikh nauk; STOLBIN, G.B., dotsent, kandidat tekhnicheskikh nauk; UMNOV, V.A., inzhener; CHERNYAK, B.Z., kandidat tekhnicheskikh nauk; SHCHEDROV, V.S., dotsent, kandidat tekhnicheskikh nauk.

[Machine parts; collection of materials on calculation and design in two volumes; vol.1] Detali mashin; sbornik materialov po raschetu i konstruiro-vaniiu. Izd.2., ispr.i dop. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. i sudostroit. lit-ry, 1953-. (MLRA 6:11)

(Machinery--Design)

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ACHERKAN, N.S., doktor tekhnicheskikh nauk, professor, redaktor; BELYAYEV. V.N., kandidat tekhnicheskikh nauk, dotsent; BIDERMAN, V.L., kandidat tekhnicheskikh nauk; BOROVICH, L.S., kandidat tekhnicheskikh nauk; GASHINSKIY, A.G., inzhener; GORODETSKIY, I.Ye., doktor tekhnicheskikh nauk, professor; IVANOV, B.A., doktor tekhnicheskikh nauk, professor; KOLOMIYTSEV, A.A., kandidat tekhnicheskikh nauk, dotsent; KRAGEL SKIY, I.V., doktor tekhnicheskikh nauk, professor; MAZYRIN, I.V., inzhener; NIKOLAYEV, G.A., doktor tekhnicheskikh nauk, professor; PETRUSEVICH, A.I., doktor tekhnicheskikh nauk; POZDNYAKOV, S.N., dotsent; PONOMAREV, S.D., doktor tekhnicheskikh nauk, professor: PORTUGALOVA, A.A., kandidat tekhnicheskikh nauk; PRONIN, B.A., kandidat tekhnicheskikh nauk; RESHETOV, D.I., doktor tekhnicheskikh nauk, professor; RESHETOV, L.N., doktor tekhnicheskikh nauk, professor; SAVERIN, M.A., doktor tekhnicheskikh nauk, professor; SAVERIN, M.M., kandidat tekhnicheskikh nauk; SLOBODKIN, M.S., inzhener: SPITSYN, N.A., doktor tekhnicheskikh nauk, professor; STOLBIN, G.B., kandidat tekhnicheskikh nauk, dotsent; UMNOV, V.A., inzhener: CHERNYAK, B.Z., kandidat tekhnicheskikh nauk; SHCHEDROV, V.S., kandidat tekhnicheskikh nauk, dotsent.

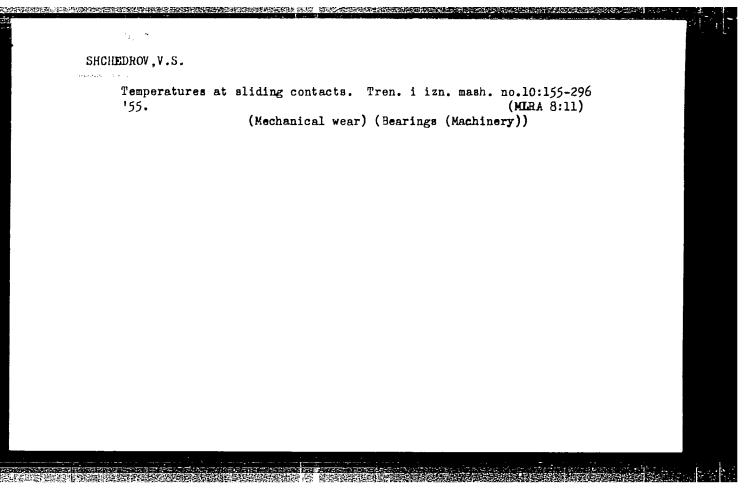
[Machine parts; collection of materials on calculation and design in two volumes] Detali mashin; sbornik materialov po raschetu i konstruirovaniiu v dvukh knigakh. Izd.2. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit.i sudostroit.lit-ry. Vol. 2. 1953. 560 p. (MLRA 6:12)

(Machinery-Design)

SHCHEDROV, V. S.

"Investigation of the Friction and hear Properties on the Sliding Contacts of Eachines." Dr Tech Sci, Moscow Order of Labor Red Banner Higher Technical Echool imeni Bannan, Min Higher Education USSR, Moscow, 1955. (KL, No 15, Apr 55)

SO: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (16).



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SHCHEDROV, Viktor Surguyevich Namo:

Investigation of processes of friction Dissertation:

and wear-ind-tear in the sliding con-

tect of machines

Degree: Doc Med Sci

Affiliation: Moscow Automobile Mechanics Inst

6 Jul 55, Council of Moscow Order of Labor Red Banner Higher Tech School Defense Date, Place:

imoni Bauman

Certification Date: 30 Jun 56

Source: BMV0 5/57

"On Preliminary Displacement,"

paper submitted for presentation at the Conference on Lubrication and Wear,
London, 1-3 October 1957.

The Chartered Mechanical Engineer, Sep 57, p. 340-42

CIA-RDP86-00513R001548730010-2 "APPROVED FOR RELEASE: 08/09/2001

4-6-13/30

AUTHOR:

Shchedrov V.S., Doctor of Technical Sciences, Professor, and

Przhemistkiy, V.I.

TITLE:

Demons of Time (Demony vremeni)

PERIODICAL:

Znaniye - Sila, 1957, # 6, pp 20 - 26 (USSR)

ABSTRACT:

The article deals with anti-gravity research in America. At the Institute of Perspective Research of Princeton University, new small particles causing gravitation, called gravitons, were discovered among the products of split nuclei. On the basis of this discovery it might be possible to design new engines by transferring gravitons or, as proposed by the Fund of Gravitation Research by applying a gravity absorber. Canadian scientists are also endeavouring to utilize such an

absorber for aviation.

Finally the authors touch new trends in science - electrogravity- and mention researches conducted in this field by Gerardin, a French physicist and Townsend T. Brown, an American scientist, who established connections between electricity magnetism and gravity through magnetic coils and condensers.

The authors conclude that the reviewed information may conceal enormous research in the field of electro-gravity.

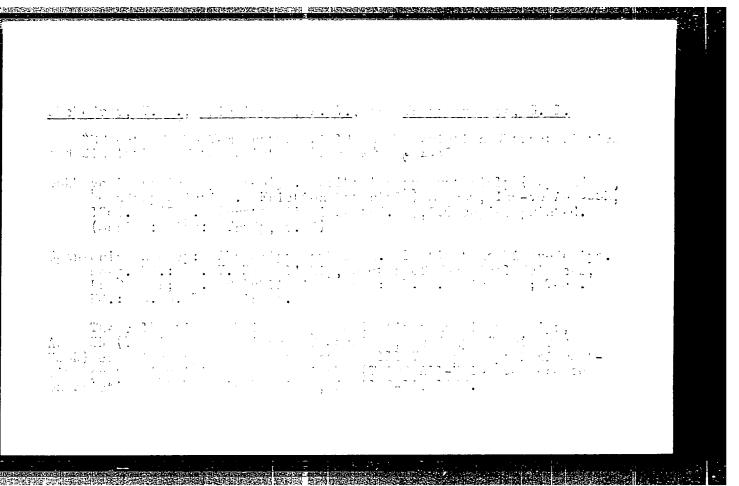
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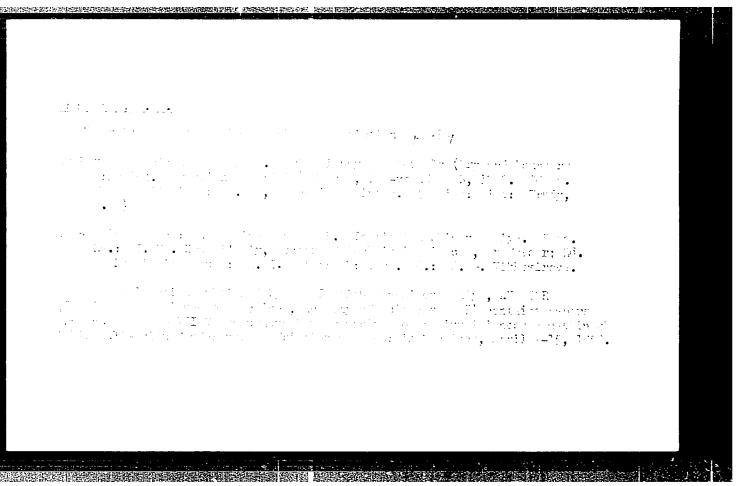
SHCHEDROV. V.S., doktor tekhn.nauk, otv.red.; BELYANIN, P.N., red.izd-va; POLYAKOVA, T.V., tekhn.red.

[Increasing the efficiency of braking devices. Properties of friction materials] Povyshenie effektivnosti tormoznykh ustroistv. Svoistva friktsionnykh materialov. Moskva, 1959. 183 p.

(MIRA 12:12)

1. Akademiya nauk SSSR. Institut mashinovedeniya.
(Brakes) (Friction)





SHAKHMALIYEV, Gasan Mursalovich, dots., kand. tekhn. nauk; SHCHEDHOV, V.S., prof., doktor tekhn. nauk, red.; RASHEVSKAYA, T.A., red. izd-va

[Studying the performance of a mechanical brake on a drow-works and devising an efficient system of lowering a drill tool] Issledovanie raboty mekhanicheskogo tormoza burovoi lebedki i razrabotka ratsional-nogo rezhima spuska buril'nogo instrumenta. Red. V.S.Shchedrov. Baku, Azerbaidzhasnkoe gos. izd-vo neft. i nauchno-tekhn. lit-ry, 1960.
221 p. (MIRA 14:7)

(Oil well drilling) (Winches)

MAL'KOVSKIY, Georgiy Pavlovich: SHCHEDROV, Y.S., prof., red.; KUSURGASHEV.

I.M., red.; SEMENOV, Yu.P., tekhn.red.

[Mass and energy in modern physics] O masse i energii v sovremennoi fizike. Kazan', Izd-vo Kazanskogo univ., 1961. 178 p.

(MIRA 15:2)

(Mass (Physics)) (Force and energy)

SHCHEDROV, Viktor Sergeyevich; ARBUZOV, V.N., kand. tekhn. nauk, retsenzent; YAMINSKIY, V.V., kand. tekhn. nauk, red.; NIKITIN, A.G., red. izd-va; EL'KIND, V.D., tekhn. red.

[Fundamentals of the mechanics of a flexible string] Osnovy mekhaniki gibkoi miti. Moskva, Gos. nauchno-tekhn. izd-vo mashino-stroit. lit-ry, 1961. 170 p. (MIRA 14:6) (Elastic rods and wires)

SHCHEDROV, V.S.; TROYANOVSKAYA, G.I.

General analysis of similitude conditions in case of static friction. Tren.i ian.mash. no.15:305-321 '62. (MTRA 15:4) (Friction)

INECH:, S.V., doktor tekhn. nauk, prof.; ECHOVCHINNKIY, M.V., kand. tekhn. nauk, retsenzent; SHCHEFROV, V.S., doktor tekhn. nauk, prof., red.

[Contact strength in machinery] Kontaktmala prochamat' v mashinakh. Moskva, hashinostroenie, 1965. 190 p.

(MRA 18:1)

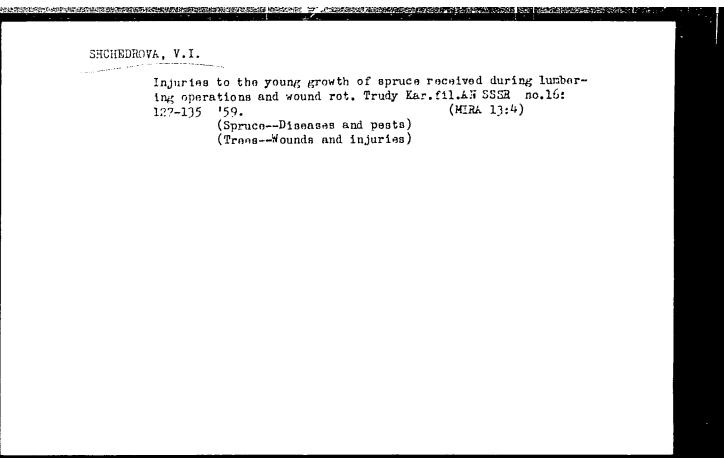
KRAGEL'SKIY, I.V., doktor tekhn. nauk, prof., otv. red.;
SHCHELROV, V.S., doktor tekhn. nauk prof., otv. red.;
RESHETOV, D.N., doktor tekhn. nauk, prof., otv. red.;
CHICHINADE, A.V., kand. tekhn. nauk, otv. red.;
KNOROZ, M.M., red.

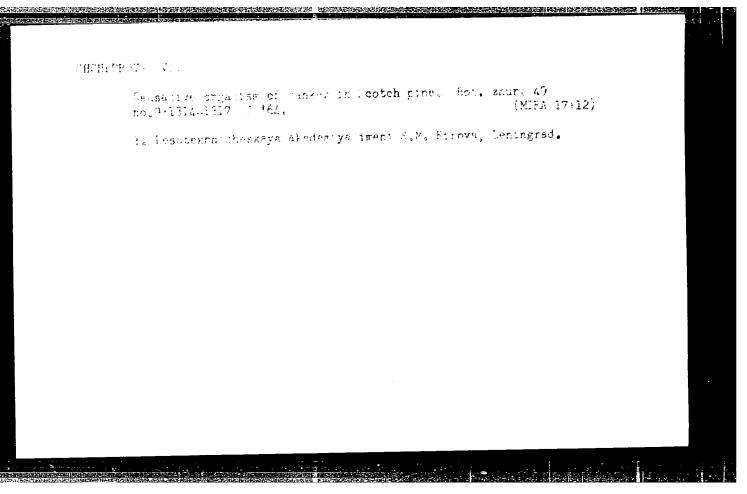
[Theory of friction and wear] Teoriia treniia i iznosa.
Moskva, Nauka, 1965. 364 p. (MIRA 18:7)

MIRLIN, G.A., kand. tekhn. nauk; SAVCHENKO, V.S., inzh.; SHCHEDROV, V.S., doktor tekhn. nauk

Formation of spatter in spot welding and methods to correct it. Svar. proizv. no.5:4-7 My '64. (MIRA 18:11)

Moskovskiy avtomekhanicheskiy institut (for Mirlin, Shchedrov).
 Moskovskiy avtomobil nyy zavod imeni Likhacheva (for Savchenko).





USSR/Engineering Dec 48

Engines, Diesel
Pistons

"Timing the Pause of the Connecting Rod With the
Piston," A. Ya. Shchedrovich, Diesel Petroleum
Installation, 4 pp.

"Energet Byul" No 12

By using method described, each connecting rod was
timed with the piston in one operation, instead of six,
in maintenance work on a Diesel motor.

Diesel Notor

Performance of the engine SD 30/50 Energ. biul. No. 3, 1952.

SO: Monthly List of Russian Accessions, Library of Congress, June 1953, Uncl.

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7	augurngourer.	A.	Ya.	

- 2. USSR (600)
- 4. Tynamos
- 7. Solving the problem of torsion fluctuations in the shaft connections of diesel generators and engines 7TS-32, Energ. biul., No. 11, 1952.

9. Monthly List of Russian Accessions, Library of Congress, March, 1953. Unclassified.

CIA-RDP86-00513R001548730010-2 "APPROVED FOR RELEASE: 08/09/2001

AID P - 3874

Subject

: USSR/Engineering

card 1/1

Pub. 28 - 2/7

Author

: Shchedrovich, A. Ya.

Title

The 6 C-350 and NT-45 Diesel and Pump Installation

Periodical : Energ. byul., 11, 11-18, N 1955

Abstract

: In recent years, the oil pipeline pumping stations have been planning replacement of obsolete engines with modern power units. The author describes the 6C-350 Diesel (590 HP at 330 rpm, 6 cyl. 350 mm bore, 500 mm stroke and 13.2 compression ratio) with the NT-45 plunger-pump

attached, (both of Czechoslovakian origin) and gives results of the tests of two such installations conducted by the Bashkirskaya Petroleum Administration in the

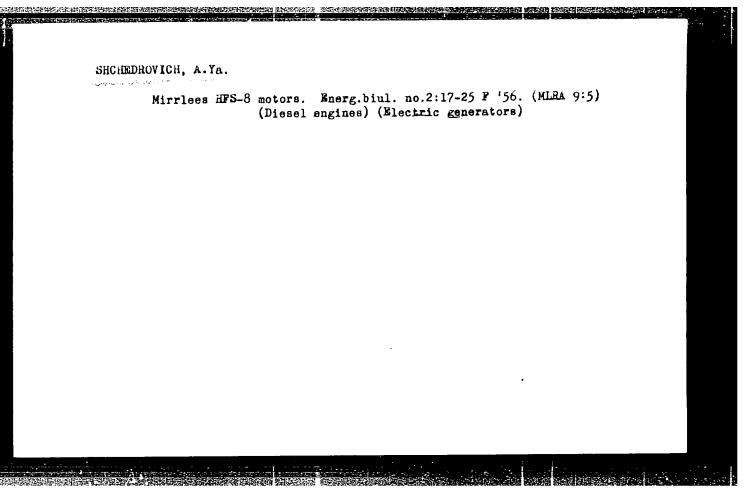
spring of 1955. Four drawings and 3 graphs.

Institution: All-Union Trust for the Efficient Utilization of Power and Petroleum ("Orgenergoneft'")

Submitted

: No date

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001548730010-2"



APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001548730010-2"

AUTHOR:

Shchedrovich, A.Ya.

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SOV/90-58-2-3/9

TITLE:

On Transforming the "Worthington" EEX-8 Diesel into a Gas-Liquid-Fuelled Engine (Perevod dizelya "Vortington" EEX-8

na gazo-zhidkostnyy tsikl)

PERIODICAL:

Energeticheskiy byulleten', 1958, Nr 2, pp 9-17 (USSR)

ABSTRACT:

The author describes the experiences of transforming 2 Worthington EEX-8 diesels into gas-liquid-fuelled engines. The year of make of the diesels was 1939; their rated capacity was 1,050 hp (700 kW). Reconstruction was done at the Soyuznaya kontora (Federal Bureau) Orgenergoneft' in 1956/57. The diesels were operating at the power plants of the Turkmenneft' Trust in Nebit-Dag. Experiments were aimed at comparing the performances of the 2 diesels before and after the reconstruction. The author then describes and illustrates the reconstruction itself, lists the results of the tests and concludes in favor of the conversion, particularly because of the economical advantages flowing from it. One reconstructed "Vortington" diesel saves 540 tons of liquid

Card 1/2

sov/90-58-2-3/9

On Transforming the "Worthington" EEX-8 Diesel into a Gas-Liquid-Fuelled Engine

fuel yearly. If all Worthington diesels operating in the power plants of the Turkmenneft' were to be reconstructed, 4,300 tons of liquid fuel would be saved yearly. There are 4 graphs, 3 diagrams, 1 table and 3 Soviet references.

1. Diesel engines-Design 2. Fuels-Performance 3. Gases -- Combustion 4. Diesel engines-Test results

Card 2/2

RAVKIND, A.A., kand.tekhn.nauk; SHCHEDROVICH, A.Ya., inzh.

Conversion of a 500 hp. Skoda diesel to gas-diesel operation.

Prom. energ. 20 no.7:20-25 Jl 165.

(MiRA 18:12)

SHCHEDROVITSKIY, G.P.

Principles of the analysis of objective structure of thinking on the basis of the concepts of content-genetic logic. Vop. psikhol. 10 no.2:125-132 Mr-Ap *64. (MIRA 17:9)

1. Institut doshkol'nogo vospitaniya Akademii pedagogicheskikh nauk RSFSR, Moskva.

SRCHEDACATISKIT, Georgiy Fetrovich; GAVVAIEYEVA, G.L., red.

[Lethodology problems in system analysis] Problemy metodologit sistemnogr isolodovanita. Moskva, Zhanie, 1964. A6 p. (Rivoe v zhizni, uke, tekhnike II Seriia: Filosofila, no...)

(MIRA 17:12)

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[Selected production dearly loannage prizable products line. Monkya, Prosventatoric, 1974. 546 p.

(Bills 18:3)

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ACCESSION NR: APLO46057

8/0245/64/000/005/0118/0121

AUTHOR: Gippenreyter, Yu. B.; Vergiles, N. Yu.; Shchedrovitskiy, L. P.

TITLE: New methods of recording eye tremors

SOURCE: Voprosy* psikhologii, no. 5, 1964, 118-121

TOPIC TAGS: ophthalmology, eye tremor, micromovement, recording technique, accelerometer

ABSTRACT: Two new methods, a "mirror" method and an electromechanical method, have been developed to record eye micromovements. In the "mirror" method the reflection of an illuminator ray by the mirror of a suction cup attached to the sclera of the eye is used to record micromovement. By using a slit illuminator, horizontal components of eye micromovements can be recorded on movie camera film. A system of flat mirrors arranged in an elliptical arc ensures recording of the horizontal components under any eye conditions. The illuminator ray reflected by the suction cup mirror is then reflected by one of the "ellipse" mirrors into the movie camera opening. Eye tremors

Card 7/3

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ACCESSION NR: APLOL6057

recorded by the "mirror" method indicate the presence of high frequency components whose amplitude is so small that quantitative analysis is difficult. The problem of quantitative analysis is solved by the electromechanical method which records a second derivative of eye tremors. An accelerometer device is attached to the sclera of the eye with a special suction cup and signals are transmitted to an ac amplifier. A tentative analysis of eye tremor recordings shows that the new methods are highly sensitive. Eye tremor frequencies up to 200 cps have been clearly recorded whereas the literature gives 100 cps as the maximum frequency, and an amplitude of 5 angular seconds (corresponding to eye displacement of 0.4 micron) has been recorded which is 3 times smaller than the minimum tremor recorded in the literature. These methods and equipment were developed in the Engineering Psychology Laboratory of the Psychology Department of Moscow State University under the supervision of Prof. A. N. Leont'yev. Departmental engineers V. A. Oboyev and V. I. Cherny*shev participated in the work. Orig. art. has: 4 figures.

ASSOCIATION: Otdeleniya psikhologii Moskovskogo universiteta (Psychology Department, Moscow University)

Card 2/3

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LABRINGSON, A.I.; SHCHEDROVITSKIY, L.P.

Some data on the tracking system of an eye. Biofizika 10 no.1:
137-140 '65. (MIRA 18:5)

1. Institut avtomatiki i telemekhaniki AN SSSR, Moskva.

L 38972-65

ACCESSION NR: AP5009290

\$/0217/65/010/002/0369/0369

AUTHOR: Lauringson, A. I.; Shchedrovitskiy, L. P.

TITLE: The accuracy of eye movement following displaced fixation points

SOURCE: Biofizika, v. 10, no. 2, 1965, 369

TOPIC TAGS: photo optics, ocular dynamics, fixation point, optometry

ABSTRACT: The purpose of the experiment was to determine the accuracy of eye tracking movements. The subject's head was placed rigidly facing a screen on which were fixed and moving points of light. The angular displacement between fixed and moving points was 1, 2.5, 5, 7.5, and 10° in any direction. The distance between the screen and the subject's eyes was 1.6 m. A photo-optical method was used to register eye motion. Individual eye movements including fixation on initial and final points and tracking of a skipping point or points were photographed. By comparing the dynamics of eye movements in response to uniform stimuli it was possible to establish the accuracy of eye tracking motion. The data revealed that at all angular displacements regardless of the direction, the accuracy of eye tracking was on the order of 4.5—6'. Tracking motions were accomplished with 1, 2, and in some cases, 3 hops of the eye. The number of hops depended on the magnitude of

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L 38972-65

ACCESSION NR: AP5009290

displacement. At 1°, eye tracking movement across the screen took place in one hop. At angular values of 7.5 and 10°, however, 1 hop per tracking motion was observed in only 10% of the cases. It was found that the first hop in that tracking motion containing several hops was, in most cases, shorter (10 times) than the whole tracking motion. The error in the direction of the first hop of the eye was most often 1—5°, sometimes reaching 15°. The direction along a horizontal plane was more accurate. In many cases, hopping took place along a distorted trajectory. Of interest was the fact that jumps between identical original and terminal points could have different trajectories. The accuracy established in the experiment (4.5—6') corresponds well with the magnitude of zones of insensitivity determined by Glezer in 1959. Orig. art. has: 1 figure.

ASSOCIATION: Institut avtomatiki i telemekhaniki AN SSSR, Moscow (Institute of Automation and Telemechanics, AN SSSR)

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Card 2/2

FEDOROV, B.A.,; SHCHEDROVITSKIY, S.S.

Effect of the number of readings of weight scales on the weighing results. Izm. tekh. no.2:32-37 Mr-Ap '55 (MIRA 8:9)

1. Sverdlovskiy filial Vsesoyuznogo nauchno-issledovatel' skogo instituta metrologii (for Fedorov). 2. MGIMIP (for Shchedrovitskiy)

(Scales (Weighing instruments))

